

Converting Colors

$Y_{xy}(46.7039, 0.2461, 0.2860)$

Have a look what the booklet for
Yxy(46.7039, 0.2461, 0.2860)
contains.

Yxy(46.9493, 0.2462, 0.2861)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.9493, 0.2462, 0.2861)

Conversions

Conversions Part 1

Format	Color
Hex	7DBFDF
RGB	125, 191, 223
RGB Percent	49%, 75%, 87%
CMY	0.5100, 0.2509, 0.1255
CMYK	0.44, 0.14, 0.00, 0.13
HSL	200°, 61%, 68%
HSV	200°, 44%, 87%
XYZ	40.4017, 46.9493, 76.7500
YIQ	174.9140, -49.6080, -4.0400

Conversions

Conversions Part 2

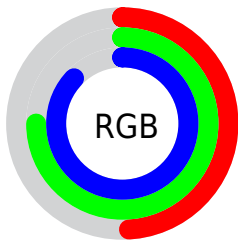
Format	Color
R _{YB}	125, 164, 223
Decimal	8241119
CIE _{Lab}	74.16, -12.66, -22.55
CIE _{LCh}	74, 25.862, 240.679
Yxy	46.9493, 0.2462, 0.2861
Android (android.graphics.Color)	4286431199 (0xFF7DBFDF)
YUV	174.9140, 23.7064, -43.7746
Hunter-Lab	68.5196, -14.6590, -18.4482

Details

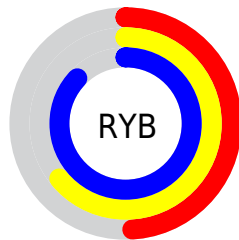
The Yxy color **46.9493, 0.2462, 0.2861** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.2617, 0.4110, 0.3672**, and the grayscale version is **42.7121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6866, 0.2702, 0.3202**, and **22.2693, 0.2291, 0.2741** is the 20% darker color. If you saturate the color by 10%, you get **42.3624, 0.2329, 0.2743**, and if you desaturate by 10%, it is **52.0742, 0.2606, 0.2972**.

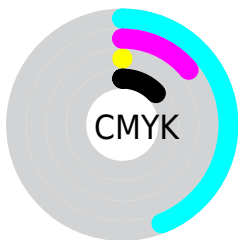
Distribution



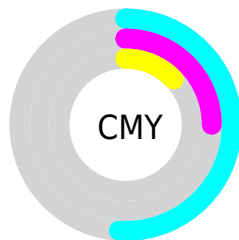
- Red (49%)
- Green (75%)
- Blue (87%)



- Red (49%)
- Yellow (64%)
- Blue (87%)



- Cyan (44%)
- Magenta (14%)
- Yellow (0%)
- Black (13%)



- Cyan (51%)
- Magenta (25%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9493, 0.2462, 0.2861 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 46.9493, 0.2462, 0.2861 by changing the saturation by 10% instead.

■ 46.9493, 0.2462,
0.2861

■ 46.9493, 0.2462,
0.2861

■ 374.6121, 0.2785,
0.3079

■ 32.9956, 0.2385,
0.2806

■ 85.6379, 0.2577,
0.2940

■ 22.1231, 0.2288,
0.2736

■ 111.1416, 0.2621,
0.2970

■ 13.9473, 0.2162,
0.2644

■ 141.2641, 0.2658,
0.2995

■ 8.0841, 0.1995,
0.2516

■ 176.3898, 0.2691,
0.3017

■ 4.1488, 0.1763,
0.2329

■ 216.9030, 0.2719,
0.3035

■ 1.7571, 0.1424,
0.2038

■ 263.1882, 0.2744,

■ 0.4602, 0.0407,

0.3052

0.1461

315.6298, 0.2766,
0.3066

0.0000, 0.0000,
0.0000

46.9493, 0.2462,
0.2861

46.9493, 0.2462,
0.2861

42.3624, 0.2329,
0.2743

52.0742, 0.2606,
0.2972

38.2802, 0.2210,
0.2621

57.7570, 0.2757,
0.3076

34.6737, 0.2108,
0.2496

64.0231, 0.2911,
0.3171

31.5071, 0.2027,
0.2370

70.8942, 0.3066,
0.3258

28.7377, 0.1966,
0.2246

78.3912, 0.3219,
0.3336

■ 27.2202, 0.1937,
0.2173

■ 85.8156, 0.3341,
0.3406

■ 90.0599, 0.3332,
0.3477

■ 94.4765, 0.3323,
0.3547

■ 98.1082, 0.3315,
0.3601

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.9493, 0.2499, 0.3138



46.9493, 0.2462, 0.2861



46.9493, 0.2589, 0.2717

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.9493, 0.2462, 0.2861



46.9493, 0.3564, 0.3091



46.9493, 0.3371, 0.3934

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46.9493, 0.2462, 0.2861



41.2617, 0.4110, 0.3672

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.9493, 0.3677, 0.3877



46.9493, 0.2462, 0.2861



46.9493, 0.3798, 0.3381

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.9493, 0.2462, 0.2861



46.9493, 0.3214, 0.2855



46.9493, 0.3838, 0.3667



46.9493, 0.3011, 0.3790

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.9493, 0.2462, 0.2861



46.9493, 0.2755, 0.2703



46.9493, 0.3838, 0.3667



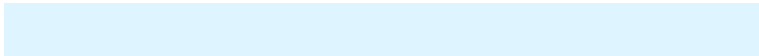
46.9493, 0.3484, 0.3936

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46.9511, 0.2462, 0.2861



87.5382, 0.2925, 0.3179



59.5358, 0.2893, 0.4217



18.3143, 0.2891, 0.3159



0.0000, 0.0000, 0.0000



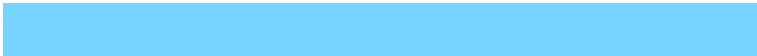
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.9511, 0.2462, 0.2861



57.7437, 0.2336, 0.2750



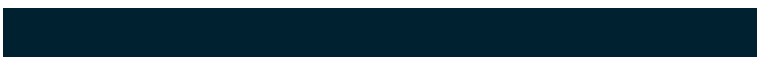
29.3052, 0.2345, 0.2176



14.7791, 0.2982, 0.3212



16.2178, 0.1942, 0.2191



1.2851, 0.1995, 0.2380

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



34.1043, 0.3502, 0.2533



39.3553, 0.3616, 0.2384



60.8455, 0.3860, 0.4196



13.8556, 0.3187, 0.3133



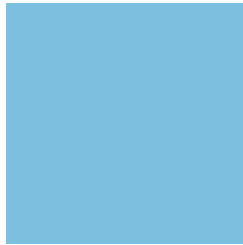
10.5452, 0.4242, 0.2110



0.7472, 0.4043, 0.2001

Previews

White Background



This preview shows how the Yxy color 46.9493, 0.2462, 0.2861 looks on a white background.

Color Contrast Check

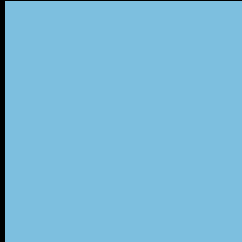
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 46.9493, 0.2462, 0.2861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

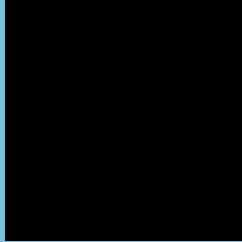
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9493, 0.2462, 0.2861

Background



This preview shows how black text looks on a background with the Yxy color 46.9493, 0.2462, 0.2861.



This preview shows how white text looks on a background with the Yxy color 46.9493, 0.2462, 0.2861.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

46.9493, 0.2462, 0.2861

Protanopia

46.5475, 0.2817, 0.2848

Deuteranopia

46.6789, 0.2763, 0.2700



Tritanopia

46.8083, 0.2521, 0.3067

Trichromacy



Original Color

46.9493, 0.2462, 0.2861

Protanomaly

46.4109, 0.2671, 0.2849

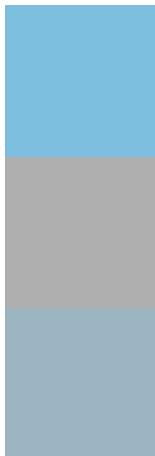
Deuteranomaly

46.5723, 0.2639, 0.2755

Tritanomaly

46.6919, 0.2496, 0.2988

Monochromacy



Original Color

46.9493, 0.2462, 0.2861

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.0216, 0.2848, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9493, 0.2462, 0.2861 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(125, 191, 223)` looks like.

```
.text, #text, p{  
    color:rgb(125, 191, 223)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(125, 191, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 191, 223) }
```

Border

The CSS property to change the border of an element to Yxy 46.9493, 0.2462, 0.2861 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(125, 191, 223) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(125, 191, 223) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(125, 191, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 191, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 191, 223);  
box-shadow:4px 4px 4px 4px rgb(125, 191,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9493, 0.2462, 0.2861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 191, 223) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(125,  
191, 223) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor